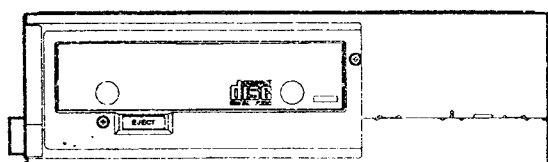
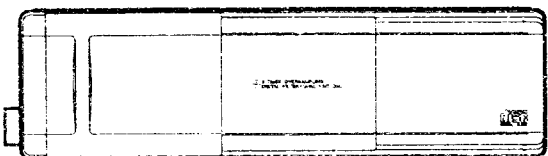


# Service Manual



PN-2474B



PN-2475D/F

## NISSAN Automobile Genuine 6 Disc CD Changer

Model **PN-2474B-A**  
(Genuine No.28184 CR000)

Model **PN-2475D-A**  
(Genuine No.28184 6Y300)

Model **PN-2475F-A**  
(Genuine No.28184 AV700)  
(Horizontal type)

Model **PN-2475F-B**  
(Genuine No.28184 AV710)  
(Vertical type)

## SPECIFICATIONS

Frequency response:	17Hz to 20kHz(±2dB)
Channel separation:	More than 70dB(1kHz,20kHz LPF)
Total harmonic distortion:	Less than 0.02%(20kHz LPF)
Output level:	3V±2dB(1kHz,0dB)
Power supply voltage:	13.2V DC (10.8 to 15.6V allowable)
Ground:	Negative
Current consumption:	1A
Dimensions(mm):	
PN-2474	225(W)×67(H)×161(D)
PN-2475	225(W)×64(H)×172(D)
Weight:	1.85kg(PN-2474) 1.65kg(PN-2475)

## NOTES

- ※ Do not play heart-shaped, octagonal, or other specially shaped CDs.
- ※ We cannot supply PWB with component parts in principle. When a circuit on PWB has failure, please repair it by component parts base. Parts which are not mentioned in service manual are not supplied.
- ※ Specifications and design are subject to change without notice for further improvement.

## COMPONENTS

### PN-2474B-A/PN-2475D-A/F-A/F-B

Main unit	-----	1
Lock pin	335-0594-21	3

## To engineers in charge of repair or inspection of our products.

Before repair or inspection, make sure to follow the instructions so that customers and Engineers in charge of repair or inspection can avoid suffering any risk or injury.

### 1. Use specified parts.

The system uses parts with special safety features against fire and voltage. Use only parts with equivalent characteristics when replacing them.

The use of unspecified parts shall be regarded as re-modeling for which we shall not be liable. The onus of product liability (PL) shall not be our responsibility in cases where an accident or failure is as a result of unspecified parts being used.

2. Place the parts and wiring back in their original positions after replacement or re-wiring.

For proper circuit construction, use of insulation tubes, bonding, gaps to PWB, etc, is involved. The wiring connection and routing to the PWB are specially planned using clamps to keep away from heated and high voltage parts. Ensure that they are placed back in their original positions after repair or inspection.

If extended damage is caused due to negligence during repair, the legal responsibility shall be with the repairing company.

3. Check for safety after repair.

Check that the screws, parts and wires are put back securely in their original position after repair. Ensure for safety reasons there is no possibility of secondary problems around the repaired spots.

If extended damage is caused due to negligence of repair, the legal responsibility shall be with the repairing company.

4. Caution in removal and making wiring connection to the parts for the automobile.

Disconnect the battery terminal after turning the ignition key off. If wrong wiring connections are made with the battery connected, a short circuit and/or fire may occur. If extensive damage is caused due to negligence of repair, the legal responsibility shall be with the repairing company.

5. Cautions regarding chips.

Do not reuse removed chips even when no abnormality is observed in their appearance. Always replace them with new ones. (The chip parts include resistors, capacitors, diodes, transistors, etc). The negative pole of tantalum capacitors is highly susceptible to heat, so use special care when replacing them and check the operation afterwards.

6. Cautions in handling flexible PWB

Before working with a soldering iron, make sure that the iron tip temperature is around 270°C. Take care not to apply the iron tip repeatedly (more than three times) to the same patterns. Also take care not to apply the tip with force.

7. Turn the unit OFF during disassembly and parts replacement. Recheck all work before you apply power to the unit.

8. Cautions in checking that the optical pickup lights up.

The laser is focused on the disc reflection surface through the lens of the optical pickup. When checking that the laser optical diode lights up, keep your eyes more than 30cms away from the lens. Prolonged viewing of the laser within 30cms may damage your eyesight.

9. Cautions in handling the optical pickup

The laser diode of the optical pickup can be damaged by electrostatic charge caused by your clothes and body. Make sure to avoid electrostatic charges on your clothes or body, or discharge static electricity before handling the optical pickup.

- 9-1. Laser diode

The laser diode terminals are shorted for transportation in order to prevent electrostatic damage. After replacement, open the shorted circuit. When removing the pickup from the mechanism, short the terminals by soldering them to prevent this damage.

- 9-2. Actuator

The actuator has a powerful magnetic circuit. If a magnetic material is put close to it. Its characteristics will change. Ensure that no foreign substances enter through the ventilation slots in the cover.

- 9-3. Cleaning the lens

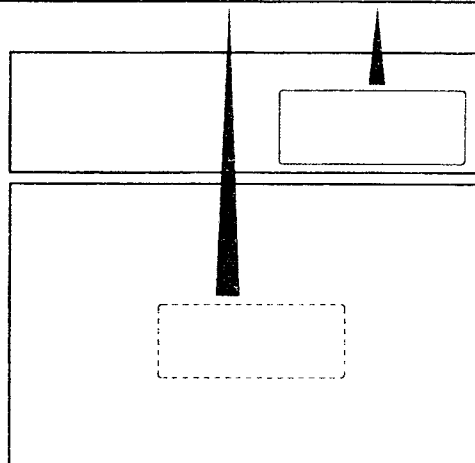
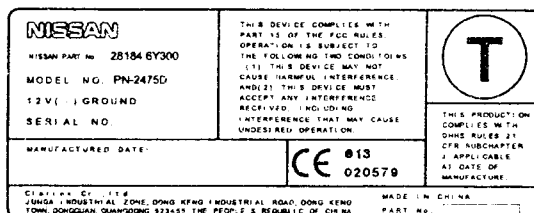
Dust on the optical lens affects performance. To clean the lens, apply a small amount of isopropyl alcohol to lens paper and wipe the lens gently.

## CAUTIONS

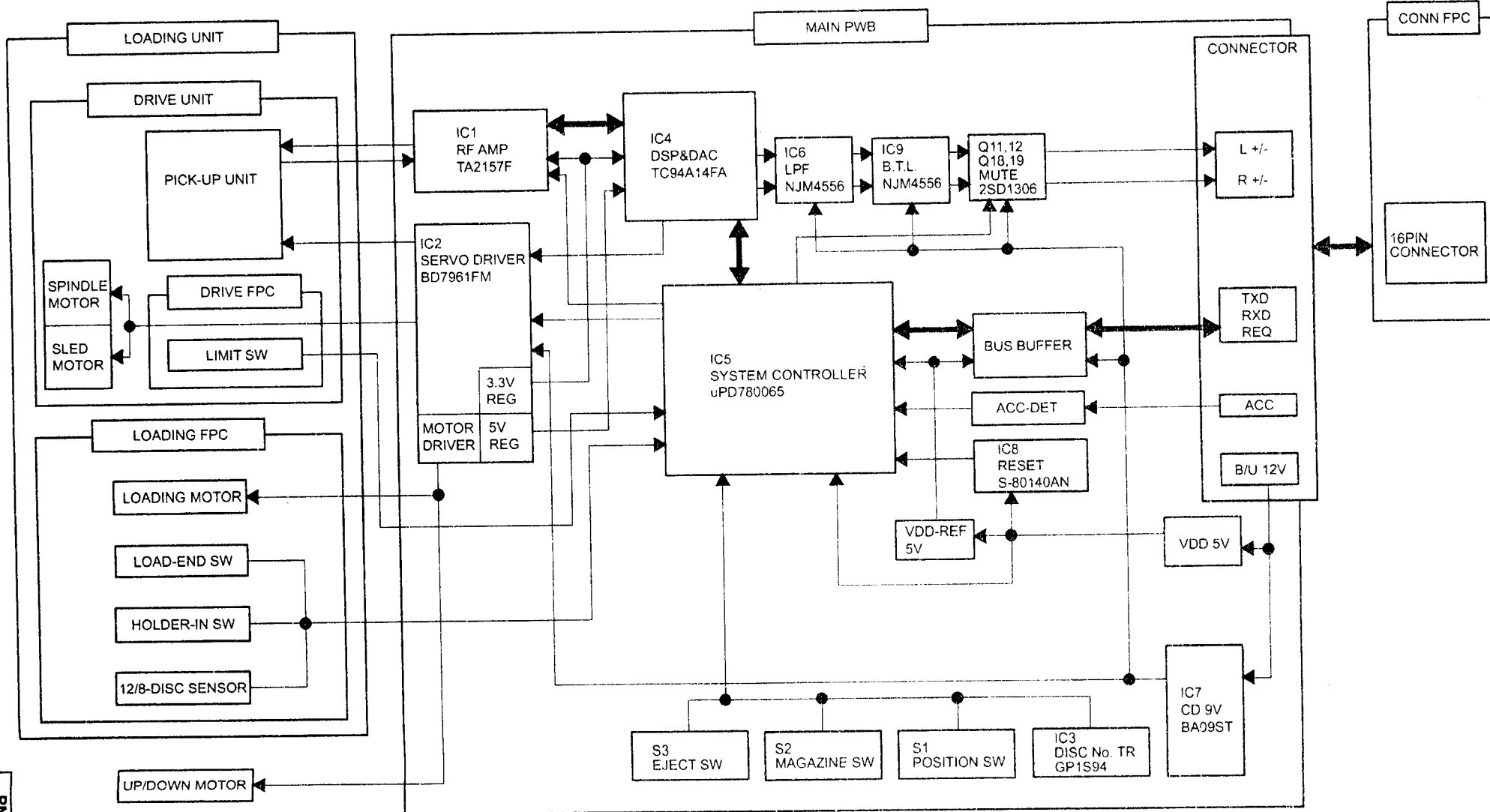
Use of controls, adjustment or performance of procedures other than those specified herein, may result in hazardous radiation exposure.

The COMPACT DISC player and MINI DISC player should not be adjusted or repaired by anyone except properly qualified service personnel.

This appliance contains a laser system and is classified as a "CLASS 1 LASER PRODUCT". To use this model properly, read this Owner's Manual carefully and keep this manual for your future reference. In case of any trouble with this player, please contact your nearest "AUTHORIZED service station". To prevent direct exposure to the laser beam, do not to open the enclosure.



# BLOCK DIAGRAM



# EXPLANATION OF IC

052-5050-01 uPD780065GC-710-8BT

System controller

## 1. Terminal Description

pin 1: NU	: - : Not in use.
pin 2: NU	: - : Not in use.
pin 3: NU	: - : Not in use.
pin 4: NU	: - : Not in use.
pin 5: NU	: - : Not in use.
pin 6: NU	: - : Not in use.
pin 7: NU	: - : Not in use.
pin 8: NU	: - : Not in use.
pin 9: A Vref	: IN: Reference voltage for ADC.
pin 10: RESET	: IN: Reset signal input.
pin 11: NU	: - : Not in use.
pin 12: NU	: - : Not in use.
pin 13: CONN GND	: - : Connect to the ground.
pin 14: X 1	: - : Crystal connection.
pin 15: X 2	: - : Crystal connection.
pin 16: VDD	: - : Positive supply voltage.
pin 17: VSS	: - : Negative supply voltage.
pin 18: NU	: - : Not in use.
pin 19: NU	: - : Not in use.
pin 20: NU	: - : Not in use.
pin 21: SBSY	: IN: Sub code block sync input.
pin 22: ACC CNT	: IN: ACC ON signal input.
pin 23: MAG SW	: IN: The inserted flag input for the magazine.
pin 24: MAG EJ	: IN: The eject key input.
pin 25: NU	: - : Not in use.
pin 26: NU	: - : Not in use.
pin 27: NU	: - : Not in use.
pin 28: NU	: - : Not in use.
pin 29: NU	: - : Not in use.
pin 30: NU	: - : Not in use.
pin 31: NU	: - : Not in use.
pin 32: NU	: - : Not in use.
pin 33: NU	: - : Not in use.
pin 34: NU	: - : Not in use.
pin 35: NU	: - : Not in use.
pin 36: NU	: - : Not in use.
pin 37: NU	: - : Not in use.
pin 38: TCLK	: O: The test clock output.
pin 39: Disk No Tr	: IN: The photo transistor signal input for the disk number detection.
pin 40: 8cm DISC	: IN: 8cm disk = "L", 12cm disk = "H".
pin 41: POS SW	: IN: Datum point signal input to detect the disc number.
pin 42: LIMIT	: IN: Inside limit switch signal input for the disk.
pin 43: HOLDER IN	: IN: "L" = Holder has been placed in the magazine.
pin 44: LOAD END	: IN: "L" = Holder has been removed from the magazine.
pin 45: VSS	: - : Negative supply voltage.
pin 46: VDD	: - : Positive supply voltage.
pin 47: PON 2	: O: Power ON signal output.
pin 48: PON 1 INV	: O: The inverted signal of PON 1(pin 73).
pin 49: UD CW	: O: Up/down motor control signal output. Refer Table 1.
pin 50: UD CCW	: O: Up/down motor control signal output. Refer Table 1.
pin 51: LD CW	: O: Loading motor control signal output. Refer Table 2.
pin 52: LD CCW	: O: Loading motor control signal output. Refer Table 2.
pin 53: DR MUTE	: O: Drive mute signal output to the CD IC.
pin 54: GV SW	: I/O: Gain select signal input/output.
pin 55: RESET	: O: Reset signal output.
pin 56: CCE	: O: The chip enable signal output.
pin 57: BUC CLOCK	: O: CD IC clock pulse output.
pin 58: BUS 3	: I/O: CD IC Data input / output.
pin 59: BUS 2	: I/O: CD IC Data input / output.
pin 60: BUS 1	: I/O: CD IC Data input / output.
pin 61: BUS 0	: I/O: CD IC Data input / output.

pin 62: NU	: - : Not in use.
pin 63: TEST 1	: IN: For the test.
pin 64: TEST 2	: IN: For the test.
pin 65: TEST 3	: IN: For the test.
pin 66: TEST 4	: IN: For the test.
pin 67: NU	: - : Not in use.
pin 68: REQ O	: O: Transmit request signal output.
pin 69: TXD	: O: The serial data output.
pin 70: RXD	: IN: The serial data input.
pin 71: NU	: - : Not in use.
pin 72: A MUTE	: O: The audio mute signal output.
pin 73: PON 1	: O: Power ON signal output.
pin 74: NU	: - : Not in use.
pin 75: NU	: - : Not in use.
pin 76: NU	: - : Not in use.
pin 77: SCK	: IN: The clock pulse input.
pin 78: SO	: O: Serial data output.
pin 79: SI	: IN: Serial data input.
pin 80: A VSS	: - : Analog ground.

Table 1. Up/down motor control signal

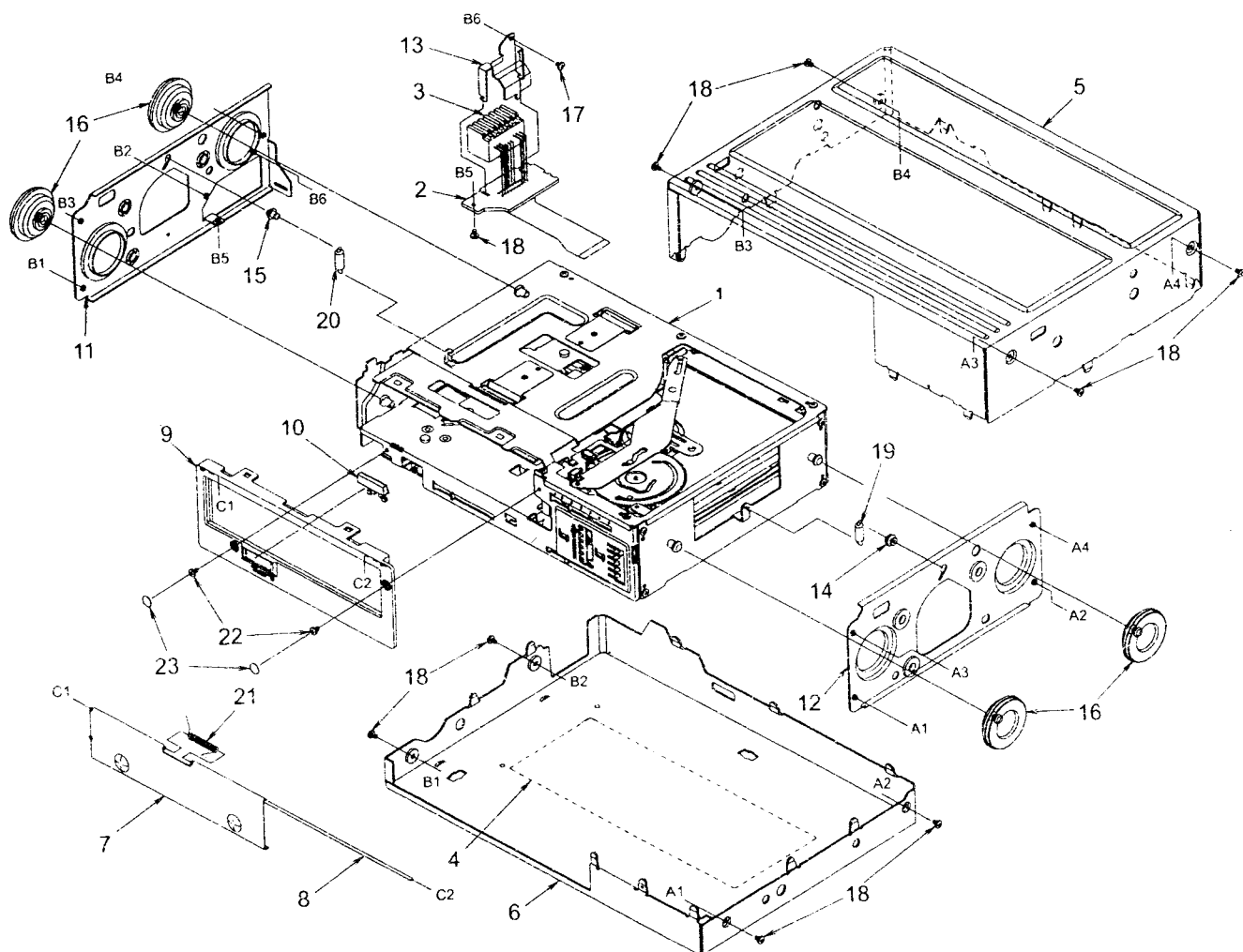
	Up	Down	Brake	Stop
UD CCW (pin 50)	L	H	H	L
UD CW (pin 49)	H	L	H	L

Table 2. Loading motor control signal

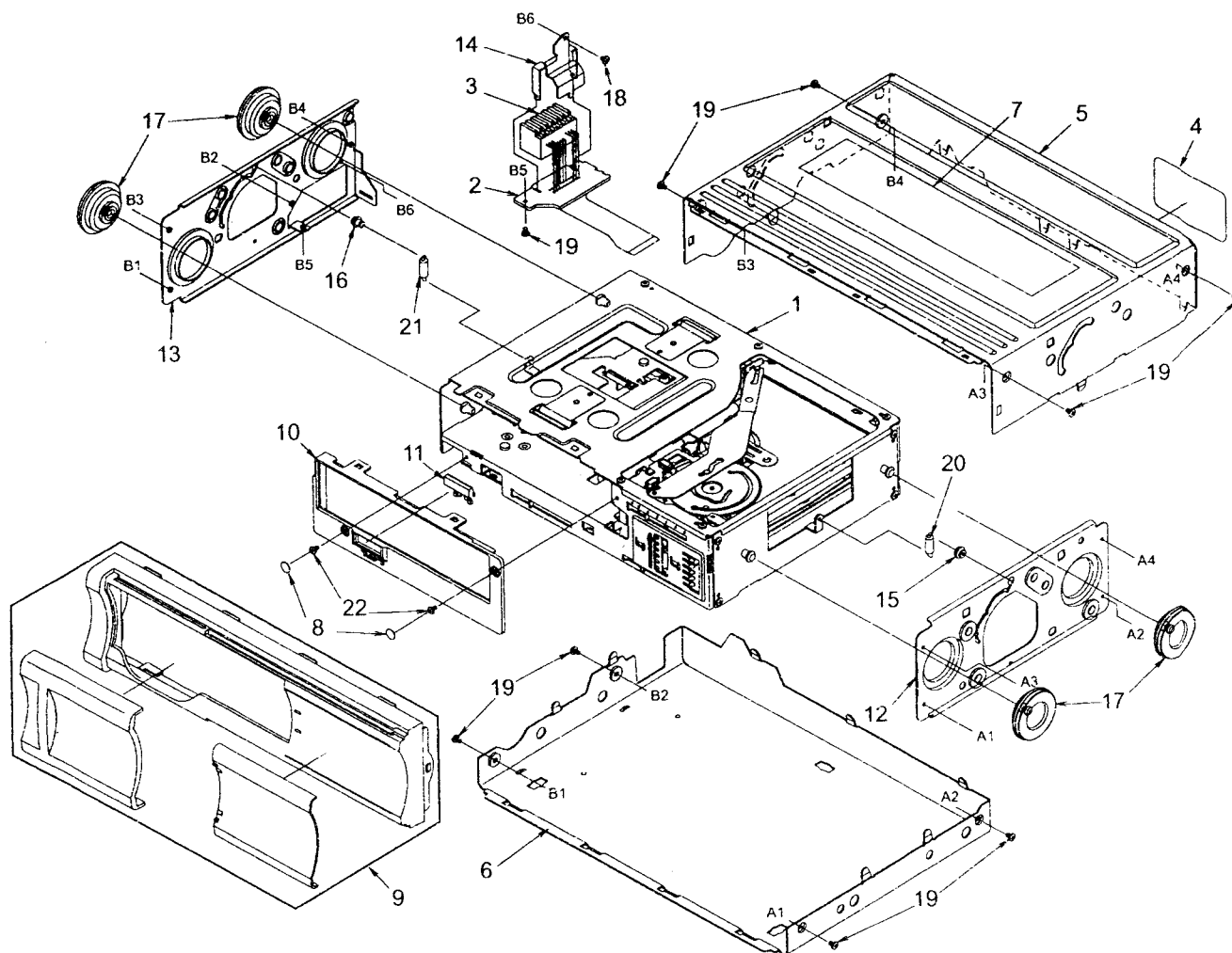
	Load	Unload	Brake	Stop
LD CCW (pin 52)	L	H	H	L
LD CW (pin 51)	H	L	H	L

# EXPLODED VIEW · PARTS LIST

Main section / PN-2474B



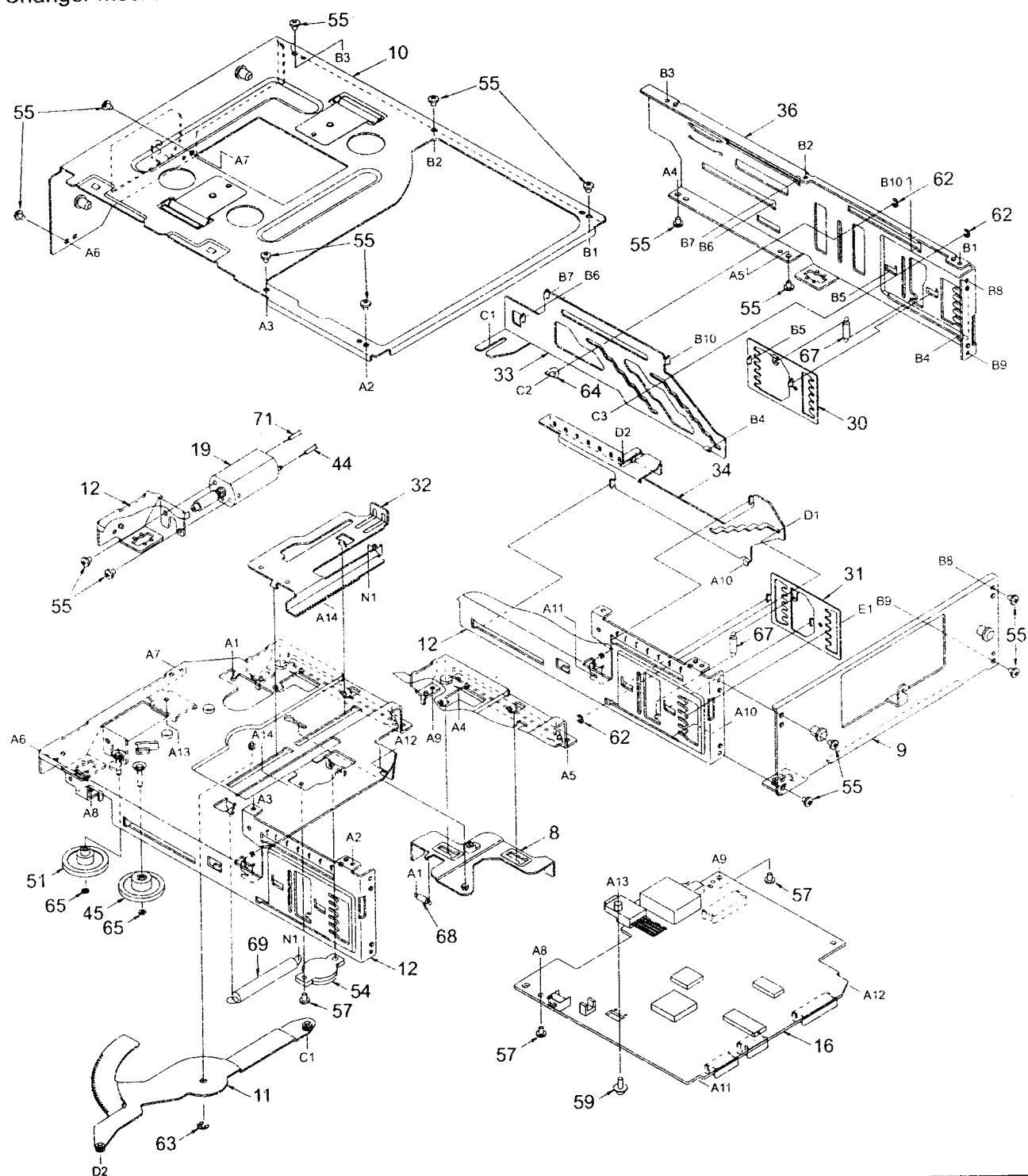
NO.	PART NO.	DESCRIPTION	Q'TY	NO.	PART NO.	DESCRIPTION	Q'TY
1	-----	CD CHANGER MECHANISM (027020)	1	12	620-1097-20	DMP-P-SALOON R	1
2	039-2030-21	FLEXIBLE PWB (WITHOUT COMPONENT)	1	13	620-1099-20	CONNECT HOLDER	1
3	074-1087-02	OUTLET SOCKET(16P)	1	14	622-1545-20	FL PIN R	1
4	286-9907-01	SET PLATE	1	15	622-1546-20	FL PIN L	1
5	310-1749-21	UPPER CASE	1	16	629-0080-00	DAMPER	4
6	311-1846-21	LOWER CASE	1	17	716-0484-00	SCREW(M2X2.5)	1
7	320-0590-20	DUSTPROOF COVER	1	18	716-1716-00	SCREW	9
8	341-1774-20	SHAFT	1	19	750-3459-21	FL-SPRING R	1
9	371-5715-21	TRIM PLATE	1	20	750-3460-21	FL-SPRING L	1
10	382-6254-20	BUTTON	1	21	750-6707-20	SPRING	1
11	620-1096-20	DMP-P-SALOON L	1	22	716-3486-00	SCREW	2
				23	746-0767-00	WASHER	2



Note) Some parts depend on each model.  
The model name is specified in the description.

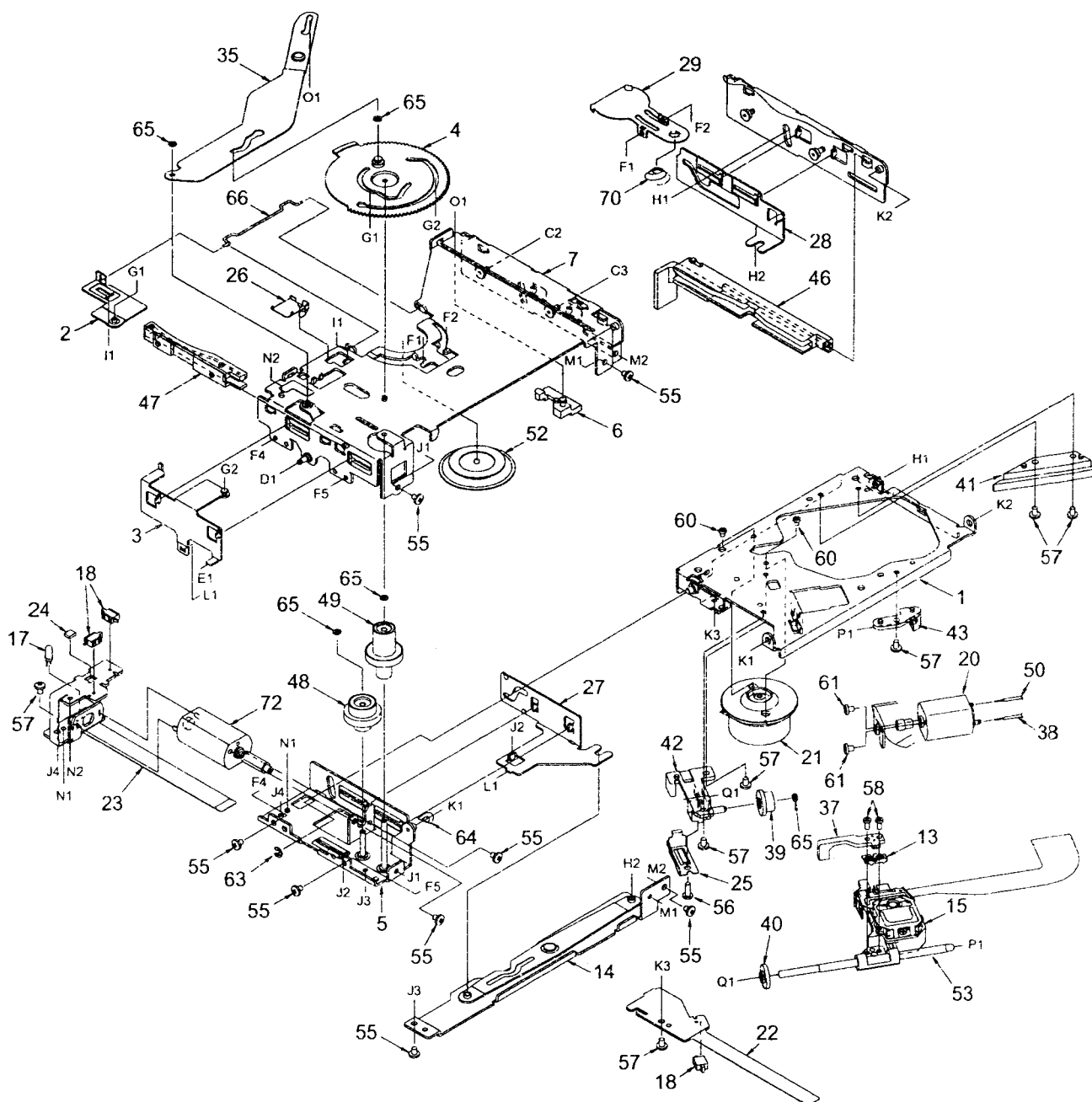
NO.	PART NO.	DESCRIPTION	Q'TY	NO.	PART NO.	DESCRIPTION	Q'TY
1	-----	CD CHANGER MECHANISM (027120)	1	11	382-6254-20	BUTTON	1
2	039-2030-21	FLEXIBLE PWB (WITHOUT COMPONENT)	1	12	620-0996-21	DAMPER PLATE R	1
3	074-1087-02	OUTLET SOCKET(16P)	1	13	620-1095-20	DAMPER PLATE L	1
4	286-6088-00 286-6088-01 286-6077-00	SETPLATE(PN-2475F-A) SETPLATE(PN-2475F-B) SETPLATE(PN-2475D-A)	1	14	620-1099-20	CONNECT HOLDER	1
5	310-1748-21	UPPER CASE	1	15	622-1545-20	FL PIN R	1
6	311-1844-22	LOWER CASE	1	16	622-1546-20	FL PIN L	1
7	335-5993-00	LOCK FASTENER(D-A)	1	17	629-0080-00	DAMPER	4
8	746-0767-00	WASHER	2	18	716-0484-00	SCREW(M2X2.5)	1
9	940-7993-11	ESCUTCHEON ASSY	1	19	716-1716-00	SCREW	9
10	371-5693-23	TRIM PLATE	1	20	750-3459-21	FL-SPRING R	1
				21	750-3460-21	FL-SPRING L	1
				22	716-3486-00	SCREW	2

# Changer mechanism section



NO.	PART NO.	DESCRIPTION	Q'TY
1	966-0582-23	DRIVE-P-ASSY	1
2	966-0583-20	DISC HOLD ASSY	1
3	966-0584-23	CLAMP-P-ASSY F	1
4	966-0585-22	CAM GEAR ASSY	1
5	966-0586-22	MOTOR-P-ASSY	1
6	966-0588-22	HOLDER-L-ASSY	1
7	966-0589-24	L-UPPER-P-ASSY	1
8	966-0590-20	MG-LO-P-ASSY	1
9	966-0591-21	REAR PANEL ASSY	1
10	966-0592-20 966-0626-21	UP-PLATE ASSY(PN-2475) UP-PLATE ASSY(PN-2474)	1
11	966-0593-20	UD-GEAR-P-ASSY	1

NO.	PART NO.	DESCRIPTION	Q'TY
12	966-0594-24	V-CHASSIS ASSY	1
13	966-0454-00	SH-RACK-ASSY	1
14	966-0623-23	L-LOWER-P-ASSY	1
15	969-0061-30	PICK UP-ASSY	1
16	039-2063-21	MAIN PWB (WITHOUT COMPONENT)	1
17	001-0563-00	LED	1
18	013-7413-50	DETECTOR SWITCH	3
19	SMA-180-100	MOTOR ASSY(UP/DOWN)	1
20	SMA-181-100	MOTOR ASSY(SLED)	1
21	SMA-179-100	MOTOR ASSY(SPINDLE)	1
22	039-1949-20	DRIVE PWB (WITHOUT COMPONENT)	1



NO.	PART NO.	DESCRIPTION	Q'TY
23	039-1950-20	LOADING PWB (WITHOUT COMPONENT)	1
24	060-0252-01	PHOTO-TR	1
25	620-0999-21	LS-SPRING	1
26	620-1575-21	SWITCH PLATE	1
27	620-1007-22	CLAMP PLATE M	1
28	620-1008-24	CLAMP PLATE R	1
29	620-1009-22	CLAMPER PLATE	1
30	620-1016-20	GAP PLATE R	1
31	620-1017-20	GAP PLATE F	1
32	620-1018-20	MG EJECT PLATE	1
33	620-1019-20	SLIDE PLATE R	1
34	620-1020-21	SLIDE PLATE F	1
35	620-1031-21	LOADING ARM	1
36	620-1034-24	SIDE PANEL	1
37	621-0587-21	SCREW HOLD BASE	1
38	801-4912-60	VINYL-COAT-WIRE(BRN)	1
39	621-0589-20	SECOND GEAR	1

NO.	PART NO.	DESCRIPTION	Q'TY
40	621-0590-20	LS GEAR	1
41	621-0591-20	PICK UP GUIDE	1
42	621-0592-21	LS-HOLDER	1
43	621-0593-21	LS GUIDE	1
44	802-4906-60	VINYL-COAT-WIRE(RED)	1
45	621-0597-20	V-GEAR A	1
46	621-0630-22	HOLDER-G-RAIL R	1
47	621-0631-21	HOLDER-G-RAIL L	1
48	621-0703-20	L-GEAR A	1
49	621-0633-20	L-GEAR B	1
50	805-4912-60	VINYL-COAT-WIRE(GRN)	1
51	621-0635-20	V-HELICAL GEAR	1
52	621-0636-21	CLAMPER RING	1
53	624-3022-00	LEAD SCREW	1
54	629-0061-00	GEAR DAMPER	1
55	716-0484-00	SCREW(M2X2.5)	23
56	716-0675-00	SCREW(M2X5.5)	1

PN-2474B  
PN-2475D/F



NO.	PART NO.	DESCRIPTION	Q'TY	NO.	PART NO.	DESCRIPTION	Q'TY
57	716-1716-00	SCREW(M2X3)	10	65	746-0761-00	WASHER	7
58	716-3469-00	SCREW	2	66	750-3461-21	DISC-H-SPRING	1
59	735-2006-11	D-SEMS-SCREW(M2X6)	1	67	750-3462-21	GAP SPRING	2
60	739-1722-17	SCREW(M1.7X2.2)	2	68	750-3463-20	MG LOCK SPRING	1
61	739-2022-17	SCREW(M2X2.2)	2	69	750-3464-20	MG EJECT SPRING	1
62	743-1500-10	E-RING	3	70	750-3492-22	CLAMPER SPRING	1
63	743-2000-10	E-RING	2	71	800-4906-60	VINYL-COAT-WIRE(BLK)	1
64	745-0789-01	DRIVE WASHER	2	72	SMA-188-100	MOTOR ASSY(LOADING)	1

## ■ ELECTRICAL PARTS LIST

### Main PWB(B1) section

Note) Several different parts of the same reference number are alternative parts.  
One of those parts is used in the set.

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
C1	183-1073-17	6.3V100uF	C58	183-1073-17	6.3V100uF	Q2	191-1237-50	2SB1237QR
C2	046-1032-78	0.01uF	C59	168-1042-78	0.1uF	Q3	191-1237-50	2SB1237QR
C3	043-0533-50	0.047uF	C60	042-0452-81	10V220uF	Q4	125-0014-92	DTA114
C4	042-0426-31	6.3V100uF	C61	045-2201-50	22pF	Q5	190-1048-50	2SA1048Y/GR
C5	046-6822-58	6800pF	C62	042-0452-81	10V220uF	Q6	125-2004-92	RN1402
C6	168-1042-78	0.1uF	C63	173-1021-18	1000pF	Q7	193-1858-50	2SD1858QR
C7	178-1052-78	1uF	C64	184-4773-31	16V470uF	Q8	125-2004-92	RN1402
C8	183-3363-27	10V33uF	C65	045-2201-50	22pF	Q9	125-0014-92	DTA114
C9	183-3363-27	10V33uF	C66	042-0452-81	10V220uF	Q10	192-2712-51	2SC2712GL
C10	168-1042-78	0.1uF	C67	042-0452-81	10V220uF	Q11	193-1306-00	2SD1306
C11	168-1042-78	0.1uF	C68	183-1063-39	16V10uF	Q12	193-1306-00	2SD1306
C12	045-5096-50	5pF	C69	168-5632-78	0.056uF	Q13	192-2712-51	2SC2712GL
C13	183-3363-27	10V33uF	C70	168-5632-78	0.056uF	Q14	192-2712-51	2SC2712GL
C14	178-1052-78	1uF	C71	168-5632-78	0.056uF	Q15	125-0014-92	DTA114
C15	046-1032-78	0.01uF	C72	168-5632-78	0.056uF	Q16	192-2712-51	2SC2712GL
C16	178-1052-78	1uF	C73	168-1042-78	0.1uF	Q17	125-2004-92	RN1402
C17	045-5601-50	56pF	C74	178-1052-78	1uF	Q18	193-1306-00	2SD1306
C18	168-1032-55	0.01uF	C75	178-1052-78	1uF	Q19	193-1306-00	2SD1306
C19	043-0533-50	0.047uF	C76	178-1052-78	1uF	R1	033-1041-15	1/16W 100kΩ
C20	046-1532-78	0.015uF	C77	178-1052-78	1uF	R2	033-1041-15	1/16W 100kΩ
C21	045-4701-50	47pF	C78	168-4722-55	4700pF	R3	033-1041-15	1/16W 100kΩ
C22	043-0533-50	0.047uF	C79	168-4722-55	4700pF	R4	033-1041-15	1/16W 100kΩ
C23	046-1522-58	1500pF	C80	168-4722-55	4700pF	R5	033-1041-15	1/16W 100kΩ
C24	046-4722-58	4700pF	C81	168-4722-55	4700pF	R6	033-1041-15	1/16W 100kΩ
C25	046-1032-78	0.01uF	D1	001-0516-90	MA111	R7	033-2211-15	1/16W 220Ω
C26	043-0533-50	0.047uF	D2	001-1304-90	DAN202U	R8	111-2711-94	1/4WS 270Ω
C27	046-3332-78	0.033uF	D3	001-0504-33	HZS6B2L	R9	033-6831-15	1/16W 68kΩ
C28	046-3332-78	0.033uF	D4	001-0516-90	MA111	R10	111-2201-94	1/4WS 22Ω
C29	046-4712-58	470pF	D5	001-0422-38	MTZJ36	R11	111-2201-94	1/4WS 22Ω
C30	045-4701-50	47pF	D6	001-0422-38	MTZJ36	R12	119-1031-15	1/16W 10kΩ
C31	168-1032-55	0.01uF	D7	001-0516-90	MA111	R13	119-2231-15	1/16W 22kΩ
C32	043-0533-50	0.047uF	D9	001-0516-90	MA111	R14	033-8211-15	1/16W 820Ω
C33	043-0533-50	0.047uF	D10	001-0466-90	S5688B	R15	111-1001-94	1/4WS 10Ω
C34	168-1032-55	0.01uF	D11	001-0516-90	MA111	R16	119-1031-15	1/16W 10kΩ
C35	168-1042-78	0.1uF	FIL1	060-3113-95	1000pF	R17	119-1531-15	1/16W 15kΩ
C36	166-1011-50	100pF	FIL2	060-3113-95	1000pF	R18	033-2721-15	1/16W 2.7kΩ
C37	166-1501-50	18pF	FIL3	060-3113-95	1000pF	R19	033-6831-15	1/16W 68kΩ
C38	166-1501-50	18pF	IC1	051-5710-90	TA2157F	R20	033-6831-15	1/16W 68kΩ
C39	046-1032-78	0.01uF	IC2	051-6060-08	BD7961FM	R21	033-1011-15	1/16W 100Ω
C40	168-1042-78	0.1uF	IC3	051-5806-00	GP1S94	R22	033-1021-15	1/16W 1kΩ
C41	168-1032-55	0.01uF	IC4	051-6376-00	TC94A14FA	R23	033-1031-15	1/16W 10kΩ
C42	046-1032-78	0.01uF	IC5	052-5050-01	UPD780065GC-710-8BT	R24	033-1831-15	1/16W 18kΩ
C43	183-3363-27	10V33uF	IC6	051-1407-90	NJM4556AM	R25	111-2711-94	1/4WS 270Ω
C44	046-1032-78	0.01uF	IC7	051-3289-00	BA09ST	R26	050-0146-53	100kΩ X2
C45	183-3363-27	10V33uF	IC8	051-5438-08	S-80830ANMP	R27	033-1531-15	1/16W 15kΩ
C46	168-1042-78	0.1uF	IC9	051-1407-90	NJM4556AM	R28	033-1031-15	1/16W 10kΩ
C47	168-1032-55	0.01uF	J1	074-1138-65	15P	R29	033-4731-15	1/16W 47kΩ
C48	183-3363-27	10V33uF	J2	074-1158-56	6P	R30	033-1041-15	1/16W 100kΩ
C49	183-3363-27	10V33uF	J3	074-1158-58	8P	R31	050-0145-54	47kΩ X4
C50	045-2201-50	22pF	J4	074-1158-65	15P	R32	033-5621-15	1/16W 5.6kΩ
C51	045-2201-50	22pF	L1	010-3050-93	10uH	R33	033-3331-15	1/16W 33kΩ
C52	168-1032-55	0.01uF	L2	010-2285-57	BLM21B102SPT	R34	033-1051-15	1/16W 1MΩ
C53	042-0452-81	10V220uF	L3	010-2285-57	BLM21B102SPT	R35	033-4711-15	1/16W 470Ω
C54	183-1063-37	16V10uF	L4	010-2285-57	BLM21B102SPT	R36	119-1031-15	1/16W 10kΩ
C55	168-1032-55	0.01uF	L5	010-2285-57	BLM21B102SPT	R37	033-1031-15	1/16W 10kΩ
C56	183-1073-17	6.3V100uF	Q1	191-1237-50	2SB1237QR	R38	033-1031-15	1/16W 10kΩ
C57	168-1032-55	0.01uF				R39	033-2231-15	1/16W 22kΩ

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
R40	033-2231-15	1/16W 22kΩ	R58	033-1031-15	1/16W 10kΩ	R76	033-1031-15	1/16W 10kΩ
R41	033-1041-15	1/16W 100kΩ	R59	033-5631-15	1/16W 56kΩ	R77	033-1031-15	1/16W 10kΩ
R42	119-2231-15	1/16W 22kΩ	R60	033-1031-15	1/16W 10kΩ	R78	033-1031-15	1/16W 10kΩ
R43	033-4711-15	1/16W 470Ω	R61	033-2211-15	1/16W 220Ω	R79	119-4731-15	1/16W 47kΩ
R44	050-0146-54	47kΩ × 2	R62	033-1031-15	1/16W 10kΩ	R80	119-4731-15	1/16W 47kΩ
R45	033-2201-15	1/16W 22Ω	R63	033-1031-15	1/16W 10kΩ	R81	119-4731-15	1/16W 47kΩ
R46	033-1031-15	1/16W 10kΩ	R64	033-1031-15	1/16W 10kΩ	R82	119-4731-15	1/16W 47kΩ
R47	033-8221-15	1/16W 8.2kΩ	R65	033-4731-15	1/16W 47kΩ	R83	033-2251-15	1/16W 2.2MΩ
R48	033-1021-15	1/16W 1kΩ	R66	033-1031-15	1/16W 10kΩ	R84	119-1521-15	1/16W 1.5kΩ
R49	033-2201-15	1/16W 22Ω	R67	033-1031-15	1/16W 820Ω	R85	119-1521-15	1/16W 1.5kΩ
R50	119-1531-15	1/16W 15kΩ	R68	033-5621-15	1/16W 5.6kΩ	R86	119-1521-15	1/16W 1.5kΩ
R51	033-5631-15	1/16W 56kΩ	R69	119-4731-15	1/16W 47kΩ	R87	119-1521-15	1/16W 1.5kΩ
R52	033-1031-15	1/16W 10kΩ	R70	033-1031-15	1/16W 10kΩ	S1	013-7404-50	HLZ00110676
R53	033-1031-15	1/16W 10kΩ	R71	033-1031-15	1/16W 10kΩ	S2	013-7404-50	HLZ00110676
R54	033-4731-15	1/16W 47kΩ	R72	033-5631-15	1/16W 56kΩ	S3	013-6100-10	SKHLLD
R55	033-2201-15	1/16W 22Ω	R73	033-1031-15	1/16W 10kΩ	T1	009-0679-00	CHOKE
R56	033-2201-15	1/16W 22Ω	R74	033-1031-15	1/16W 10kΩ	X1	061-3038-00	16.9344M
R57	033-1031-15	1/16W 10kΩ	R75	033-1031-15	1/16W 10kΩ	X2	060-1035-90	CSTLS4M91G56-A0

#### Connector PWB(B2) section

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
D50	001-2015-00	RL253	J50	074-1087-02	16P

#### Loading PWB(B3) section

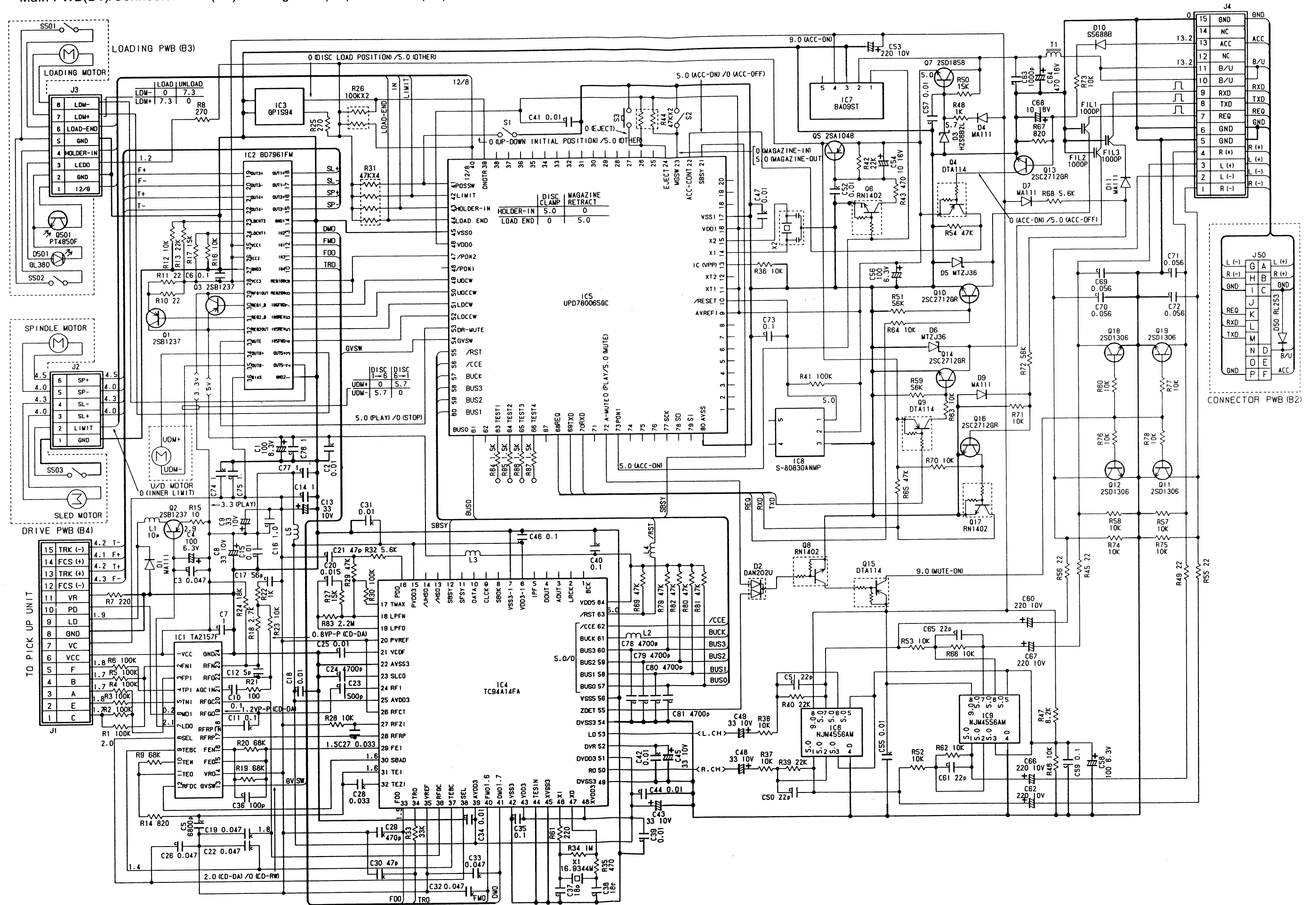
REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
D501	001-0563-00	GL380	S501	013-7413-50	SPVG12
Q501	060-0252-01	PT4850F	S502	013-7413-50	SPVG12

#### Drive PWB(B4) section

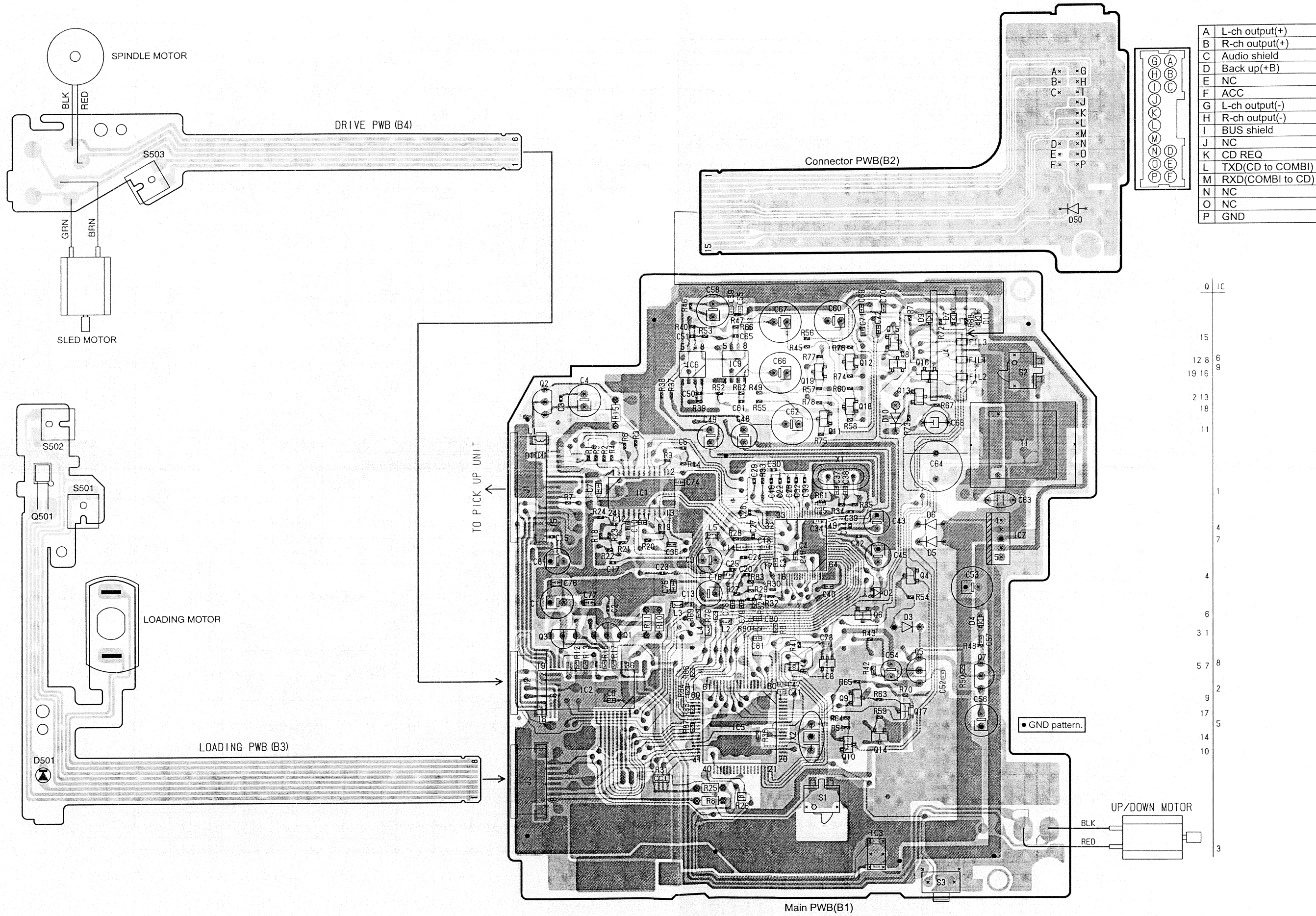
REF No.	PART No.	DESCRIPTION
S503	013-7413-50	SPVG12

# ■ CIRCUIT DIAGRAM / 回路図

Main PWB(B1)/Connector PWB(B2)/Loading PWB(B3)/Drive PWB(B4) section



PRINTED WIRING BOARD / プリント基板図  
Main PWB(B1)/Connector PWB(B2)/Loading PWB(B3)/Drive PWB(B4) section



A	L-ch output(+)
B	R-ch output(+)
C	Audio shield
D	Back up(+B)
E	NC
F	ACC
G	L-ch output(-)
H	R-ch output(-)
I	BUS shield
J	NC
K	CD REQ
L	TXD(CD to COMBI)
M	RXD(COMBI to CD)
N	NC
O	NC
P	GND

Q	IC
15	
12 8	6
19 16	9
2 13	
18	
11	
1	
4	
7	
4	
6	
3 1	
5 7	8
2	
9	
17	5
14	
10	
3	